Soc Virnyl Estela

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When an old laptop of mine slowed down in 2020, I decided to install Debian on it. That's when my passion for tech all began. In 2022, I started working as a college instructor. I love teaching, I still do, but my passion is somewhere else. However, I didn't believe at first that it is possible for me to work in this career path. Surprise! Surprise! I got my first ever work in the tech industry as a technical writer. Now, with several projects and with the experience I have writing tutorials for different frameworks and technologies as a technical writer, I'm making a full-time switch to backend development.

Technical Skills

- **Programming Languages**: Bash (for shell scripting and automation), Python, Rust, Golang, Typescript/Javascript (for web development with NodeJS and Deno), Julia (for data analyses), HTML/CSS, Typst (similar to LaTeX; used for writing personal documents such as this CV)
- **Web Development**: NodeJS, Deno, Yarn, React, Redux Toolkit, Preact, Hono, Oak, ExpressJS, ViteJS, NextJS
- **Tools**: Docker, AWS, pm2, Git, Github, Github Actions, Woodpecker CI, Trello, VSCode, Vim/Neovim, Kakoune (main code editor), Linux package managers (Zypper, Pacman, DNF, Apt), Distrobox (CLI frontend for podman and docker), Linux (Ubuntu, openSUSE, Fedora)

Professional and Work Experience

Software Developer (Git, GitHub, CI/CD, Python, Rust, Golang, AWS) Block Liquidity — 📍 United Kingdom — 🔗 https://blockliquidity.xyz

📅 October 2025 - January 2026

- Built multiple services and modules to process **1000+ data streams per second** for a notification system using Rust.
- **Sped up slow SQL queries from minutes down to milliseconds** for a Postgres database by using native types and best practices when rewriting SQL.
- Built an API in Postgres, Redis and Rust manage alerts, increasing and simplifying the overall process with **80% increase in response times due to faster data (de)serialisation**.

Technical Content Developer (Git, GitHub, Rust, React, Deno, NodeJS, Hono, Solidity, Web3) TRIBE — 📍 Singapore — 🔗 https://tribex.co

📅 Mar 2024 - June 2025

Boosted number of learners, from **300 to 1000+** on the **StackUp platform** through tutorials on key technologies (**React**, **Node.js**, **Rust**, **Deno**), and as a mentor and community member.

- Rust Pathway: a series of **Rust** tutorials and campaigns
- Fuel Up Your API Development with **Hono** and **Deno**: a introductory tutorial for backend development and authentication using **Hono** and **Deno**.
- The Deno Learning Modules: A series of tutorials using **Deno** as the Javascript runtime for web development.
- Learn authentication and authorisation with ExpressJS: a introductory tutorial for backend development using **Node.js** and **ExpressJS**.
- StackUp Forums: a microblogging project using blockchain to store posts and comments with **Solidity**, **React**, **viem**, **wagmi**, **foundry**, and **Typescript**.

Organization Admin/Member Waycrate — 🔗 https://waycrate.github.io

📅 2022 - present

A community of open-source enthusiasts and contributors.

- **Became a Mentor Organization for Google Summer of Code**: **Google Summer of Code 2024** and **Google Summer of Code 2025**
- **Inspired** new developers to **participate** and **contribute** to **open-source**.

Member and Volunteer 🦎 openSUSE — 🔗 https://opensuse.org

📅 2021 - present

A **Linux community** of desktop users, developers and open-source contributors.

- **Software Packager** of **100+ software packages** for the openSUSE project: https://build.opensuse.org/users/uncomfyhalomacro.
- **Software Developer** of openSUSE's Rust packaging tool for openSUSE Build Service called OBS Service Cargo.

Core Developer/Maintainer OBS Service Cargo — ⌨ https://github.com/openSUSE-Rust/obs-service-cargo

📅 2022 - present

Automation tool for **Rust software packaging** written in **Rust** with **100% test coverage**.

- The **ONLY tool** for https://build.opensuse.org to **automate packaging** of **Rust** software in openSUSE.

Core Developer/Maintainer Roast — ⌨ https://github.com/openSUSE-Rust/roast

📅 2024 - present

Archiving tool written in **Rust** using test-driven development. Supports **GZ**, **ZSTD**, **XZ** and **BZ** compression.

- Achieved **70% increase in performance**, shortening the time to create highly compressed archive tarballs.
- Has **100% test coverage** to ensure consistent behaviour such as deterministic creation of tar archives.

Core Developer/Maintainer Bunny — ⌨ https://github.com/uncomfyhalomacro/bunny

📅 July 2025

A **markdown parser library and static site generator** written in **Hare**, a systems programming language.

- **Won 1st place** with https://github.com/uncomfyhalomacro/bunny in the amateur category of Boot.dev 2025 Hackathon.

Education

Programmer/Software Developer (self-taught)

📅 2020 - present

Skills Learned: Git, Golang, Python, DevOps, AWS, RabbitMQ, RAG, Linux, AI Agents, Kubernetes, CI/CD with Docker and GitHub Actions
Completed the fundamentals of **backend development** focusing on Golang and Typescript at Boot.dev **as professional development certification or course**. Progress and certificates at **Boot.dev**: https://www.boot.dev/u/uncomfyhalomacro.

BSc. in Biology (Microbiology) — Mindanao State University - Iligan Institute of Technology — 📍 Philippines

🔗 https://www.msuiit.edu.ph

📅 2018 - 2022

Academic Distinction: *Cum Laude* **GPA 1.593**